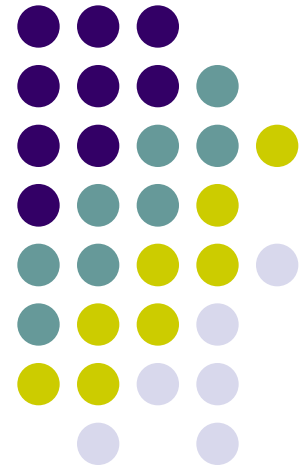
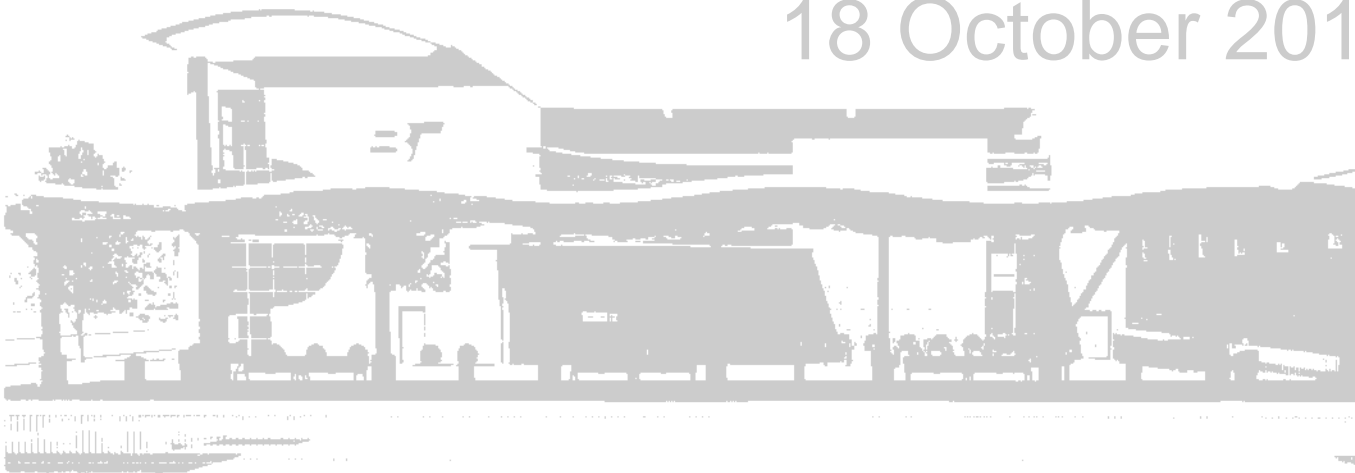


Bloomington Downtown Transfer Facility and Dispatch Center

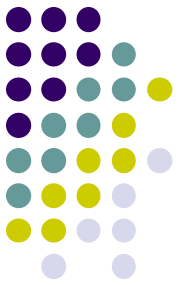
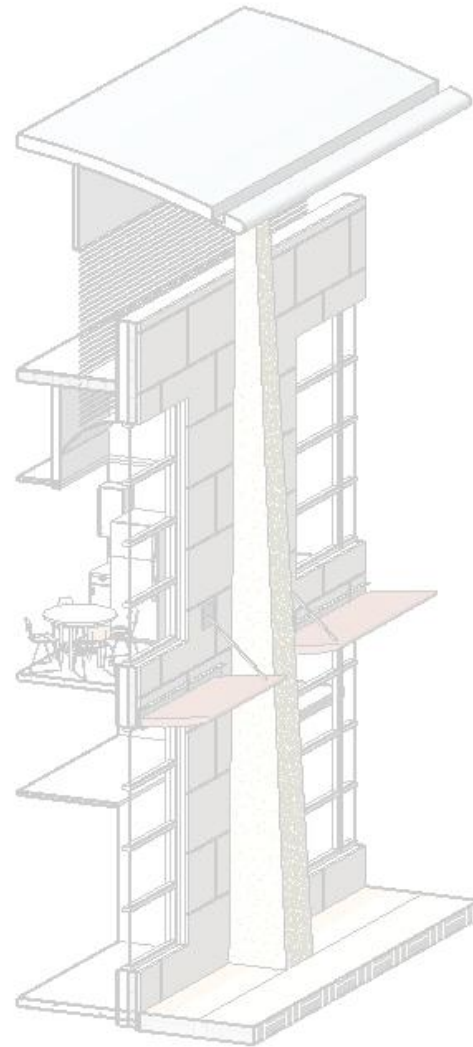
Indiana MPO Conference
Presentation

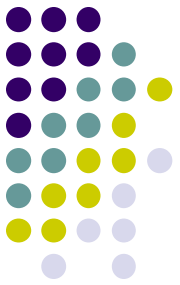
18 October 2012



Agenda

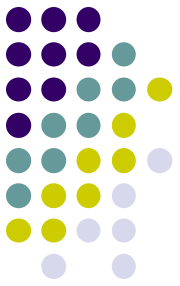
- Project History
- Design
- Schedule





The Project Team

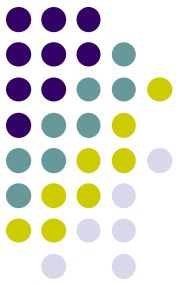
- Bloomington Public Transportation Corporation (BPTC)
- City of Bloomington (CoB)
- Monroe County (MC)
- Parsons Brinckerhoff (PB)
- Bledsoe Riggert & Guerrettaz (BRG)



Project History

- History of Current Site
- Demonstrated Need for New Facility

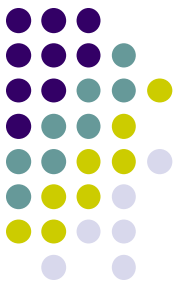




Functional Design Criteria

Assembled core program for this project through:

- Standard programs used on similar transit and dispatch centers worldwide;
- Discussions / interviews with Bloomington Transit Staff (bus operators, facility operators, executive committee);
- Discussions with Dispatch Staff and Police.
- Key Stakeholders.

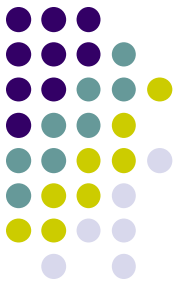


Functional Design Criteria

KEY COMPONENTS TO THE PROGRAM

- How should this facility function?
- What service should this facility provide?
- What service should this facility not provide?



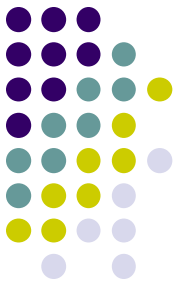


Functional Design Criteria

EXTERIOR

- Dedicated saw-tooth bays for buses
- Weather protection for boarding / alighting;
- Weather protection for outdoor seating;
- Bike racks / bike lockers;
- Signage and wayfinding;
- Pick-up / Drop-off;
- Electronic signage (future);
- Convenient transfer access to buses ;
- Safety and Security (lighting, CCTV, visibility, CPTED);
- Trash / recycling;
- Native vegetation / landscaping;
- Location for Public art displays





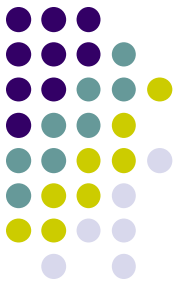
Functional Design Criteria

INTERIOR - PUBLIC

- Enclosed waiting area with seating;
- Passenger services including ticketing and information;
- Schedule Information;
- Electronic trip planning;
- Bus arrival / departure timing information (via monitors);
- ATM, change machine, vending machines;
- Public Restrooms;
- Drinking fountain;



Functional Design Criteria



INTERIOR - AGENCY

- Staff space for ticketing and operations;
- Facility security;
- IT space;
- Driver toilets; staff shower;
- Break room;
- Site / building custodial;
- Building services;
- Multi-Purpose Space;
- Dispatch Center;
- Administrative Offices;
- Training Room



LEED Overview

- Goal for LEED-Silver Certified Project
- Complies with federal/state/city/agency goals and requirements for sustainable design
- City of Bloomington Municipal Code 2.29 Green Building Program (min LEED Silver)

LEED 2009 for New Construction and Major Renovation Project Scorecard

Project Name: Bloomington Downtown Passenger Transfer Facility
Project Address: Bloomington, Indiana.

SUSTAINABLE SITES 26 Points

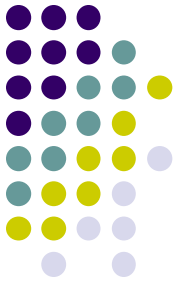
Req	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Prereq 1	Y																									
Credit 1	Y																									
Credit 2	Y																									
Credit 3	Y																									
Credit 4.1	Y																									
Credit 4.2	Y																									
Credit 4.3	Y																									
Credit 4.4	Y																									
Credit 5.1	Y																									
Credit 5.2	Y																									
Credit 6.1	Y																									
Credit 6.2	Y																									
Credit 7.1	Y																									
Credit 7.2	Y																									
Credit 8	Y																									

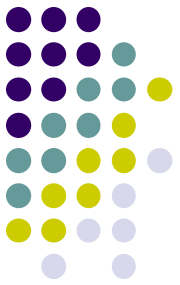
WATER EFFICIENCY 10 Points

Req	1	2	3	4	5	6	7	8	9	10
Prereq 1	Y									
Credit 1	Y									
Credit 2	Y									
Credit 3	Y									

ENERGY & ATMOSPHERE 35 Points

Req	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Prereq 1	Y																																		
Prereq 2	Y																																		
Prereq 3	Y																																		
Credit 1	Y																																		
Credit 2	Y																																		
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Credit 4	Y																																		
Credit 5	Y																																		
Credit 6	Y																																		

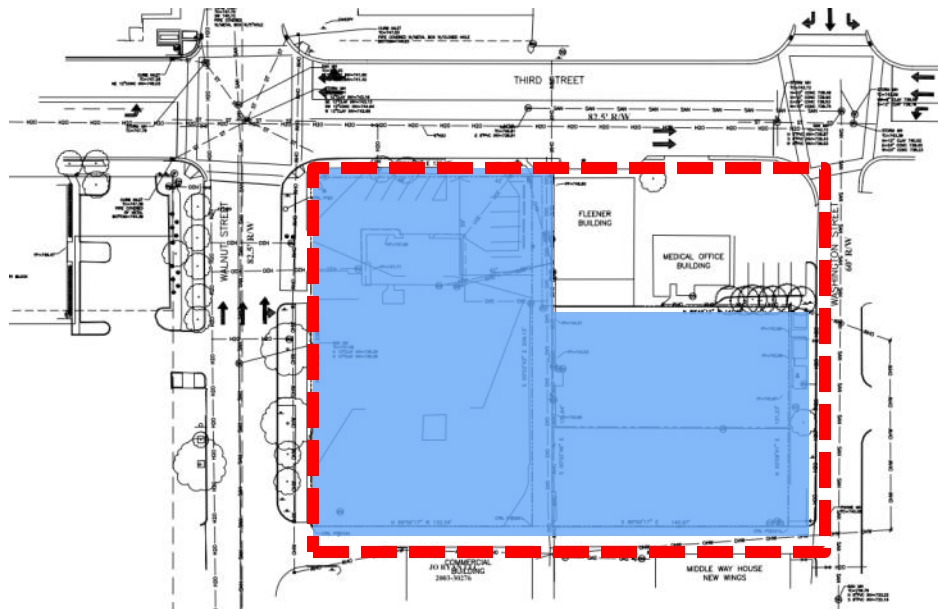




Public Design Workshop

Summer, 2009

- Convened multi-day workshop with follow-up
- Discussed needs, goals and objectives of the project
- Focus of the workshop was on bus operations and site configuration

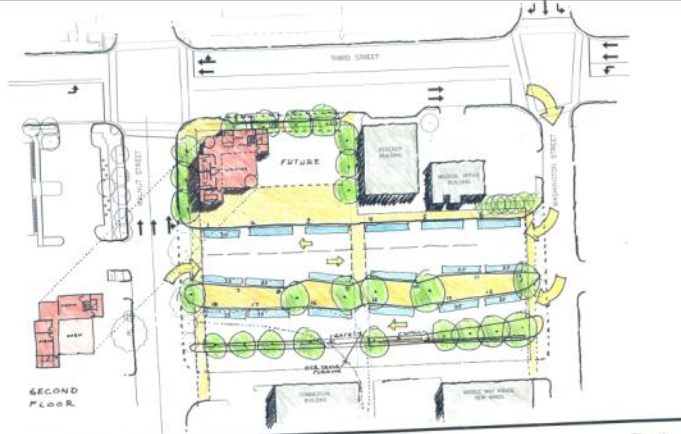
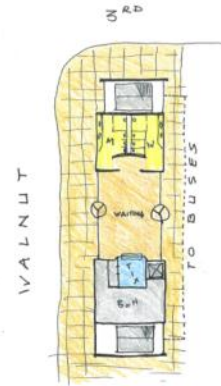
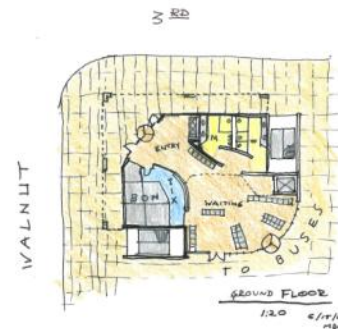
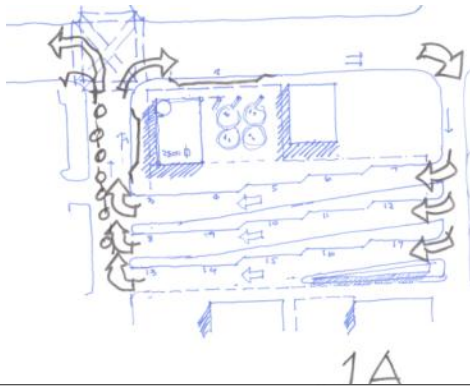


Transit Center Public Design Workshop



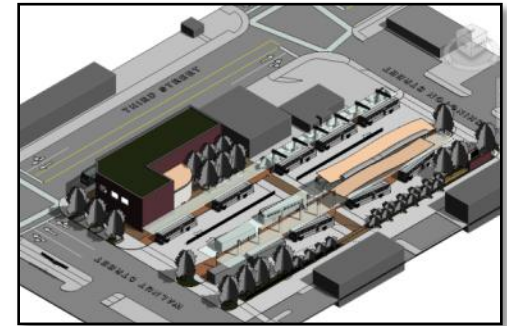
Summer, 2009

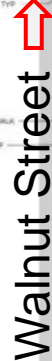
- Developed several alternatives, weighed and debated their merit
- Ultimately selected a preferred alternative



A decorative graphic in the bottom right corner consisting of a grid of colored dots in shades of purple, teal, yellow, and light blue, arranged in a pattern that tapers to the right.

- Developed Preferred Solution as Site Plan





Washington Street 

- Traffic
- Alleyway
- Utility Relocation
- Masonry Wall



Pavers



Planters



Bollards



Bike Racks



Bike Lockers



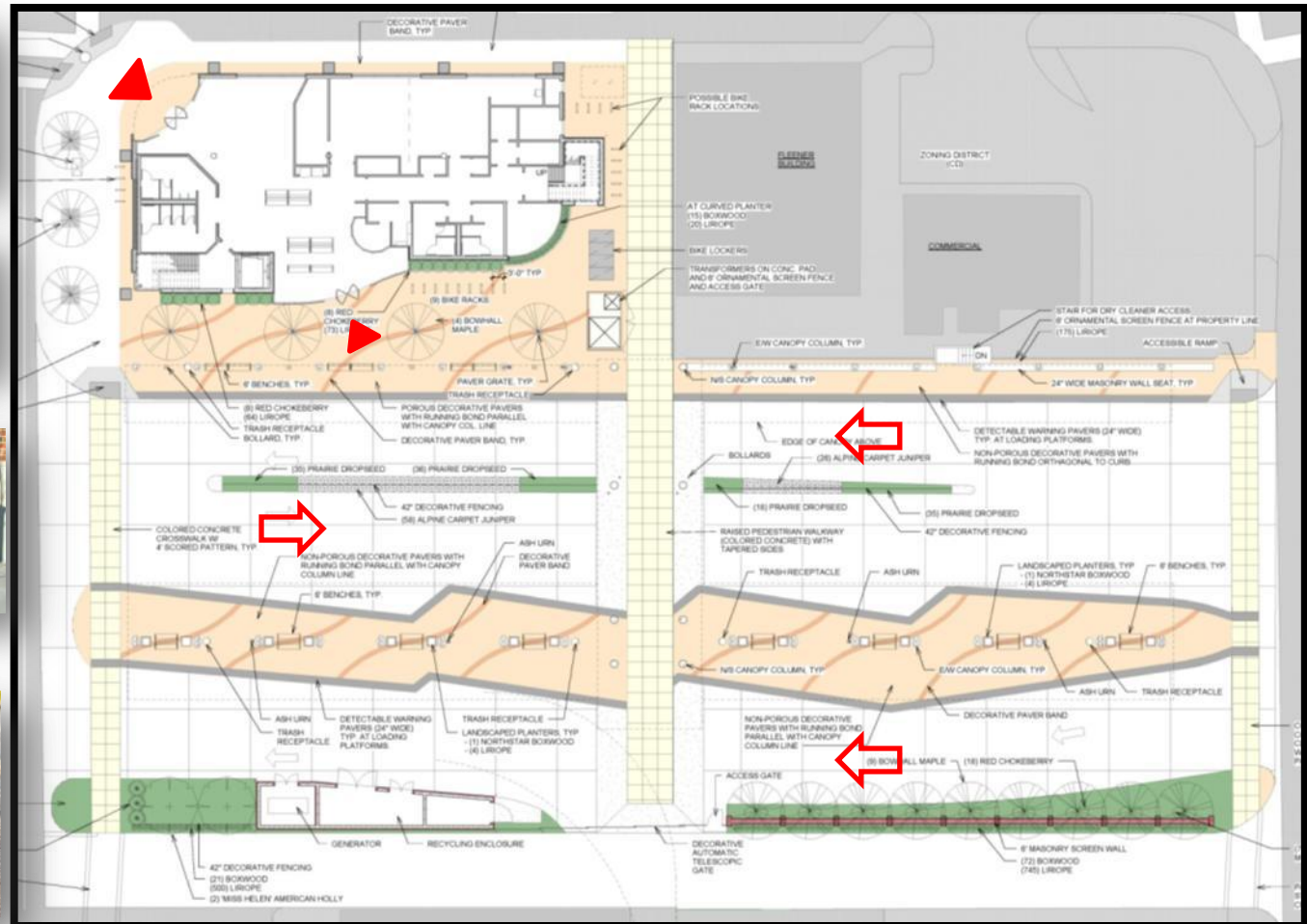
Urn



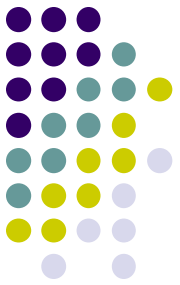
Trash



Benches



Site Plan and Amenities



Bowhall Red Maple (40'T X 15'W)
Acer Rubrum 'Bowhall'



American Holly (40'T X 20'W)
Ilex opaca 'Miss Helen'



Compact Mugo Pine (2'T x 2'W)
Pinus Mugo "Sherwood Compact"



Dwarf Mugo Pine (3'T x 6'W)
Pinus Mugo "Pumilio"



Dwarf Fothergilla (4'T X 4'W)
Fothergilla gardenii



Alpine carpet juniper (8'T x 3'W)
Juniperus communis 'Mondap'



Elijah blue fescue (12'T X 12'W)
Festuca glauca 'Elijah Blue'



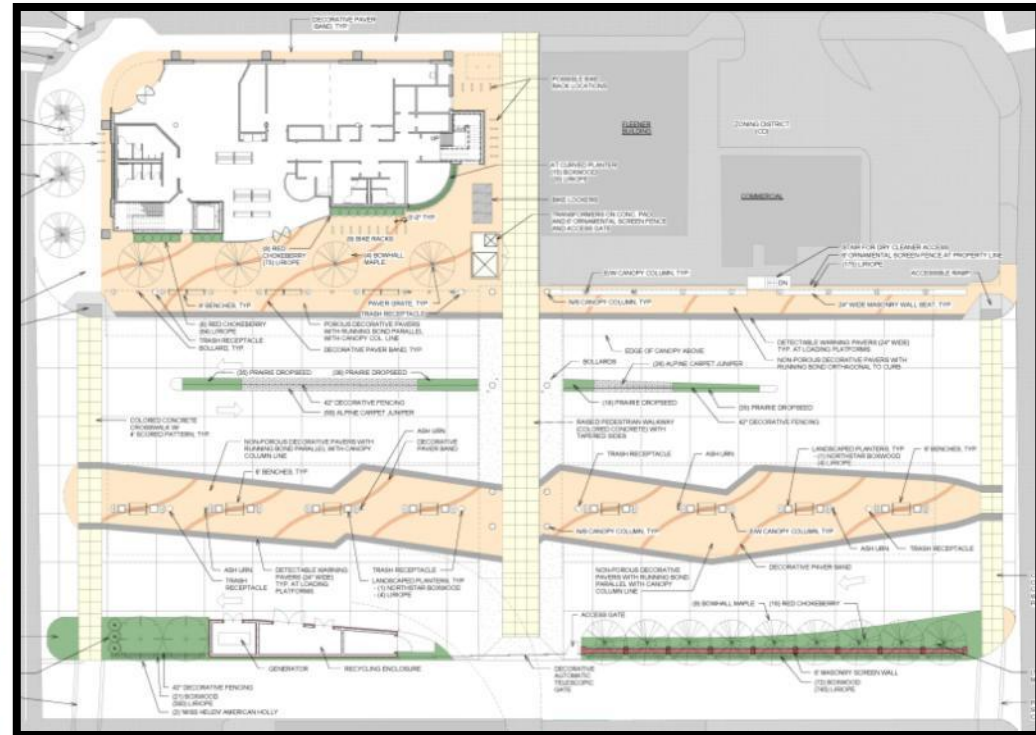
Pink Goblin Speedwell (16'T X 12'W)



Creeping Lillyturf (12'T X 18'W)
Liriope spicata



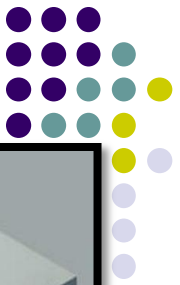
North Star Boxwood (2'T x 2'W)
Buxus sempervirens 'Katerberg'



[illegible]

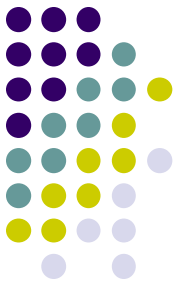
- Benches
- Bike Racks
- Lighting
- Pavers
- Fencing
- Wall panels (interior and exterior)

Exterior Images



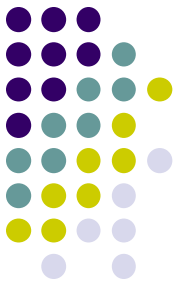
Northwest Corner

Exterior Images



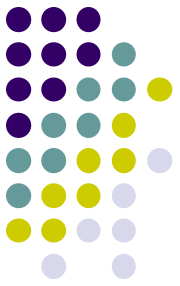
Northeast Corner

Exterior Images



Southeast Corner

Exterior Images



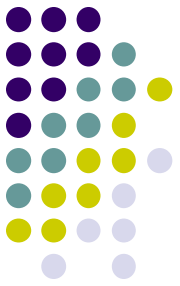
Southwest Corner

Exterior Images

Walnut Street
View w/o Canopies



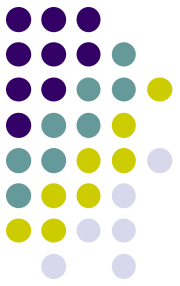
Exterior Images



South Entrance



Exterior Images



**Passenger
Movement**

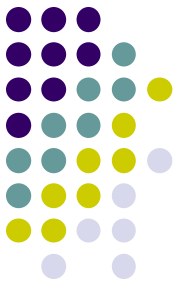


Boarding Area



**Movement along
N/S alleyway**

Schedule



- Final construction drawings delivered mid-November.
- Bid award by end of calendar year
- Construction beginning Jan 2013
- Approx. one year of construction